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5                   SYSTEM AND METHOD FOR CONTROLLING A BRAKE MOTOR

ABSTRACT OF THE DISCLOSURE

10                   The present invention includes a method for controlling brake motor. The method includes receiving brake motor information, determining a first brake motor voltage value and a brake motor current value based on the motor information when the brake motor is active, determining a brake motor resistance value based on the first brake motor voltage value and the brake motor current value, determining a brake motor temperature value based on the determined brake motor resistance value, and producing a brake motor control signal based on the determined brake motor temperature value. The method may additionally include determining a second brake motor voltage value when the brake  
15                   motor is inactive, and producing a motor diagnostic voltage value based on the determined second brake motor voltage value.